The ſecond leaves are jointed, and have vaginæ at the joints; from the baſe of which vaginæ the third leaves are produced, three or four from each joint.

Theſe third leaves, like the firſt and ſecond, are jointed and vaginated; and, in ſome luxuriant ſpecimens, I have ſeen fourth leaves of a ſimilar ſtructure.

## BARREN LEAVES, *Fig.* c.

Theſe ſpring from different parts of the ſame root, which produces the fertile ones, and like thoſe are at firſt wholly covered with vaginæ, but are readily diſtinguiſhed from them, by being much ſmaller, and of a pale, duſky, green colour.

From the uppermoſt vagina, the rudiments of the ſecond leaves make their firſt appearance, in form of a cloſe, rough, pale-green, tapering ſpike.

The vaginæ are green, except at the point, where they are divided in four brown dents, as in the fertile ſhoots; but in this they are ſmaller, and embrace the ſtem more cloſely than in that.

The ſecond leaves are about twelve in number, produced in circles from the baſe of the vaginæ, each having a proper, brown, ſhort, tridentate vagina, at its baſe; they are quadrangular, jointed, and have quadridentate vaginæ, from the baſe whereof grow the third leaves, three or four at a joint, and are of the ſame ſtructure with the ſecond. A full grown ſecond leaf is ſeen in the Plate, at d.

It grows in wet, ſandy ſoils, in woods and meadows about *Halifax*, abundantly.

EQUISETUM